

## CROSSFLOW THROMBECTOMY CATHETER AND SYSTEM

### ABSTRACT OF THE DISCLOSURE

5 Crossflow thrombectomy catheter and system for fragmentation  
and removal of thrombus or other material from blood vessels or other body  
cavities. High velocity saline jets emitted from a toroidal loop jet  
emanator or other jet emanator in a catheter distal end entrain fluid  
10 through inflow orifices, and with flow resistances create a back-pressure  
which drives crossflow streams through outflow orifices in a radial  
direction and thence radially and circumferentially to apply normal and  
drag forces on thrombotic deposits or lesions in the blood vessel or other  
body cavity, thereby breaking apart and transporting thrombus particles  
to be entrained through the inflow orifices, whereupon the high velocity  
jets macerate the thrombus particles which then transit an exhaust lumen  
or recirculate again via the outflow orifices.